APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/892,450	06/28/2001	Naoto Arakawa	35.C15502	2135

5514	7590	02/23/2005		

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ART UNIT	PAPER NUMBER
2624	

DATE MAILED: 02/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/892,450	ARAKAWA, NAOTO
	Examiner	Art Unit
	Kyle M Pendergrass	2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☐ Responsive to communication(s) filed on _____.

2a) ☐ This action is **FINAL.**　　2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-31* is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) *1-31* is/are rejected.

7) ☒ Claim(s) *8, 12* is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a) ☒ All　b) ☐ Some * c) ☐ None of:

　　　　1. ☒ Certified copies of the priority documents have been received.

　　　　2. ☐ Certified copies of the priority documents have been received in Application No. _____.

　　　　3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
　　Paper No(s)/Mail Date *9/12/01*.

4) ☐ Interview Summary (PTO-413)
　　Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____ .

DETAILED ACTION

Claim Objections

Claim 8 is objected to because of the following informalities: it exactly recites claim 7. Examiner

suggests the applicant change dependency of claim 8 from claim 5 to claim 6.

Claim 12 is objected to because of the following informalities: it exactly recites claim 11.

Examiner suggests the applicant change dependency of claim 12 from claim 9 to claim 10.

Claim Rejections - 35 USC § 112

Claims 1-31 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to

particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The claims are generally narrative and indefinite, failing to conform with current U.S. practice.

They appear to be a literal translation into English from a foreign document and are replete with

grammatical and idiomatic errors.

Claims 1, 3, 13, 14, 17, & 18 are rejected under 35 U.S.C. 112, second paragraph, as being

indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards

as the invention.

In claims 1, 3, 13, 14, 17, & 18, "an information processing apparatus" is introduced twice in the

preamble. It is not clear if applicant is describing two separate information processing apparatuses, or if the

same information processing apparatus is introduced as "an information processing apparatus" twice.

Claims 5, 9, 15, 16, 19 & 20 are rejected under 35 U.S.C. 112, second paragraph, as being

indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards

as the invention.

In claims 5, 9, 15, 16, 19 & 20, it is not clear if applicant is describing two separate information

processing apparatuses in communication with the server, or if the same information processing apparatus

is being described wherein it would be included in "one or more information processing apparatuses".

Claims 21, 27, & 28 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for

failing to particularly point out and distinctly claim the subject matter which applicant regards as the

invention.

In claims 21, 27, & 28, "an information processing apparatus" is introduced twice, once in the

preamble, and again in the body of the claim. It is not clear if applicant is describing two separate

information processing apparatuses, or if the same information processing apparatus is introduced as "an

information processing apparatus" twice.

Claims 29, 30, & 31 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for

failing to particularly point out and distinctly claim the subject matter which applicant regards as the

invention.

In claims 29, 30, & 31, "an information processing apparatus" is introduced twice. It is not clear

if applicant is describing two separate information processing apparatuses, or if the same information

processing apparatus is introduced as "an information processing apparatus" twice.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 21-31 are rejected under 35 U.S.C. 102(e) as being anticipated by Pepin et al. (US 6,151,131).

Regarding claim 21, **Pepin et al.** teach an image processing apparatus *(fig 1, printing system 2)* comprising:

input means *(fig 2, image input section 4)* for inputting data of a series of originals consisting of plural pages sent from an information processing apparatus *(column 5:lines 63-67 image input section 4 uses network 5 to input image data from remote sources)*;

control means *(fig 2, controller 7)* for causing an image formation apparatus *(fig 2, printing system with printer 8)* which forms images on sheets to print input originals data *(column 6:lines 64-67, system control 54 of controller 7 controls printing system 2 with printer 8's printing)*;

and judgment means for judging whether or not a page, to which information indicating an instruction for the image formation apparatus is added, exists in the input data of a series of originals sent from the information processing apparatus with a page unit *(fig 9, step 226, placeholder existence is judged, which inherently requires a judgment means)*,

wherein said control means sets pages other than the page, to which the information indicating the instruction for the image formation apparatus is added, included in the data of a series of the originals, in a state that a printing operation can be performed by the image formation apparatus on the basis of a judgment result obtained by said judgment means *(column 10:line 66 – column 11:lines 5, for job segments not needing a placeholder, the job segments are prepared for printing)* and causes the image formation apparatus to execute processing based on the instruction in accordance with a fact that the page judged by said judgment means is the page to which the information indicating the instruction for the image

formation apparatus is added *(column 6:lines 64-67, printer 8 is operated in accordance with job parameters received from system control 54 of control means 7, wherein, column 9:lines 36-40, job parameters include placeholders that indicate the pages with instructions)*.

Regarding claim 22, **Pepin et al.** teach an apparatus according to claim 21, wherein said control means causes the image formation apparatus not to print the page to which the information indicating the instruction for the image formation apparatus is added *(fig 9, steps 228 and 230, & column 10:lines 58-65, when processing placeholders, the function of the placeholder, i.e. retrieval of the page to be added, is resolved, which prevents the printer from printing the instruction of the page)*.

Regarding claim 23, **Pepin et al.** teach an apparatus according to claim 22, wherein said control means executes processing aimed for generating data, of which state is that the instruction added page in the original data input from the information processing apparatus is exchanged to a page of the original data from the scanner unit, as one document *(column 10:lines 9-17, jobs are programmed on a segment-by-segment basis, wherein, column 10:lines 55-65, a segment containing a place holder is resolved, i.e. the retrieval of the document to replace the instruction is executed, and, column 11:lines 3-5, the entire job is stored or output for printing. Column 8:lines 25-32, placeholder data can be from scanner 6)*.

Regarding claim 24, **Pepin et al.** teach an apparatus according to claim 23, wherein said control means prints data obtained by performing an exchange between the instruction added page in the original data input from the information processing apparatus and the page of the original data from the scanner unit as one document *(column 11:lines 3-5, the entire job is stored or output for printing. Column 8:lines 25-32, placeholder data can be from scanner. Column 6:lines 64-67, printer 8 prints in accordance with parameters from control means 7)*.

Regarding claim 25, **Pepin et al**. teach an apparatus according to claim 23, wherein said control

means stores data obtained by performing an exchange between the instruction added page in

the original data input from the information processing apparatus and the page of the original data

from the scanner unit into storage means as one document (*column 11:lines 3-5, the entire job is*

stored or output for printing after segment-by-segment processing for placeholders and non-

placeholders. Column 8:lines 25-32, placeholder data can be from scanner).

Regarding claim 26, **Pepin et al**. teach an apparatus according to claim 22, wherein the image

formation apparatus *(fig 1, printing system 2 with printer 8)* has storage means (fig 2, main

memory 56) for previously storing sheets on which images were formed *(column 7:lines 33-37,*

main memory 56 stores sheets being processed), and said control means *(fig 2, controller 7)*

causes the image formation apparatus to print the pages other than the page, to which the

information indicating the instruction for the image formation apparatus is added, included in the

data of a series of the originals and the sheets on which images were formed are previously fed

from said storage means in accordance with a fact that the page judged by said judgment means

is the page to which the information indicating the instruction for the image formation apparatus is

added, then processing for inserting the fed sheet among sheets, on which images of the pages

other than the page to which the information indicating the instruction is added are formed, is

executed on the basis of the instruction *(column 8:lines 25-32, print jobs may be derived from*

multiple sources, i.e. previously stored documents and insert originals. Column 9:lines 64-67,

placeholder pages indicate pages to be added in a submitted printer job. In this case, the

placeholder indicates that the sheets in the storage means will be combined with the series of

originals at placeholder indicators. Column 10:line 66 – column 11:line 5, each segment, in this

case the segments for originals and for stored sheets, is processed and formed to one print job

for printing or storage).

Regarding claim 29, **Pepin et al**. teach an information processing apparatus *(fig1, printing system*

2) capable of outputting data of a series of originals consisting of plural pages to an image

formation apparatus *(fig2, printing system 2 with printer 8)* for forming images on sheets characterized in that the data of a series of the originals is output to the image formation apparatus in a state that a page, to which information indicating an instruction for the image formation apparatus is added, is included together with pages used for forming images by the image formation apparatus in the data of a series of originals to be output to the image formation apparatus *(column 9:lines 64-67, placeholders are pages with said instructions that are, column 10:lines 55-65, included with data pages for a print job in printing system 2)*.

Claims 27 & 30 recite identical features as claims 21 & 29, respectively, except claims 27 & 30 are method claims. Thus, arguments similar to that presented above for claims 21 & 29 are equally applicable to claims 27 & 30.

Regarding claims 28 & 31, **Pepin et al. & Kageyama et al**. teach the computer-readable storage medium which stores programs used for executing the method steps of claims 27 & 30, respectively *(column 7:lines 34-36, main memory 56 stores machine Operating System software)*.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pepin et al. (US 6,151,131) & Kageyama et al. (US 6,567,180).

Regarding claim 1, **Pepin et al.** teach a server apparatus *(figure 2, controller 7 coupled with image input 4 without scanner 6)* which inputs a print job including an insert mark set in an information processing apparatus *(column 8:lines25-32, print job maybe derived from multiple sources using, column 9:lines 64-67, place holders, i.e. insert marks)* and PDL data of documents of which a specified page is previously marked by the insert mark from at least one or more information processing apparatuses connected on a network *(column 8:lines 33-34, server portion 7 is connected via network to, column 8:lines 43-47, apparatuses 176 in order to, column 8:lines 61-64, process jobs written in a PDL from apparatuses 176)* and transfers print image data to an image processing apparatus *(fig 1, printer system 2)* for executing predetermined image processing according to a communication performed between a scanner unit and a printer unit *(column 5:lines 44-53, printing system 2 provides image processing for scan a print services wherein scanning and printer communication is performed on-site. In addition, column 8:lines25-32, print job maybe derived from multiple sources including scanner6, which inherently requires communication between scanner 6 and printer8)*, comprising:

> development means for sequentially developing the PDL data of each page included in the print job to be input into the print image data *(column 6:lines 1-5, PDL from all sources is developed by conversion, i.e. development, means in server portion 4)*;
>
> storage means *(fig 2, main memory 56)* for storing each of the print image data developed by said development means *(column 6:lines 18-29, server portion 4 with development means enables server portion 7 to store the print data in, column 7:lines 33-37, main memory 56)*;
>
> judgment means for judging whether or not each page of the print job is an insert page to which image data externally input is inserted, by comparing the insert mark set in the print job with the PDL data of each page in the print job *(column 9:lines 36-40 & 64-67, place holders, i.e. insert pages, are created to add external pages to a document by placing a tag ,i.e. insert page indications. Placeholders are judged inherently during the process illustrated in column 9:lines 45-54)*;
>
> creation means *(column 8:lines 10-11,& fig 6, job program mode using UI 52 via display 62)* for creating job management information, which includes page management information

including information of linking the each page of the print job with each of the print image data

stored in said storage means *(column 10:lines 9-17 & 55-65, document is processed on a*

segment-by-segment basis which inherently includes linking information, via placeholders,

that link all segments of the job to print data documents in the storage means 56) and

information of indicating whether or not the each page of the print job is the insert page *(fig 9,*

step 226, place holder, i.e. insert page, state is checked for each segment of the print job),

and a job ID of specifying the print job *(fig 6, when jobs are programmed, a job scorecard 152*

provides a job ID), for each job to be input;

 hold means *(fig 2, main memory 56)* for holding the job management information for each of

the jobs *(column 11:lines 3-4, each job can be stored for future use in the printing system 2.*

Fig 6, job management info is provided to memory via screen 62. Column 7:lines 44-48,

following processing, print jobs are stored in main memory 56);

 page judgment result transfer means for transferring a result indicating whether or not a

designated page of a designated print job is the insert page to the image processing

apparatus with reference to the job management table in accordance with inquires from the

image processing apparatus *(column 8:lines 14-16, job scorecard 152 indicates instructions*

to the system for printing the job, which includes place holder information for segment-by-

segment processing in column 10:lines 9-17 & 55-65. Because the server is embodied in the

image processing system 2, the page judgment result transfer means inherently exists for

inquiries in order to transfer placeholder indication of each print job stored in the main

memory 56);

 and image transfer means for transferring print image data, which corresponds to a

designated page of a job designated in an image data obtaining request and is uniquely

selected from said storage means *(Because the server is embodied in the image processing*

apparatus 2, the transfer means inherently exists to transfer requested print data from main

memory 56 by using portions of apparatus 2 that communicate independently from of in joint-

use with server portions in the system).

Although **Pepin et al.** teach a main memory 56 to store print jobs, they do not teach a job management table that is used to create a job selection list for selection of a specific job via the UI 52 with display 62.

However, **Kageyama et al.** *(fig 13)* teaches a print job selection list for displaying print jobs from archive/suspended state (i.e. from a print job table).

Accordingly, it would have been obvious to one skilled in the art at the time of the invention to have combined the print job display list taught by **Kageyama et al.** in the printing system of **Pepin et al.** The display 62 of the UI 52 as taught by **Pepin et al.** can be used to display the print job list taught by **Kageyama et al.** The combination would allow a specific job to be located in **Pepin et al.**, and processed for printing. With the combination, because the server is embodied in the information processing apparatus 2 as taught by **Pepin et al.**, the list transfer means is inherently exists in order to display the list and enable the list selection taught by **Kageyama et al.** on the display 65 taught by **Pepin et al.**

Regarding claim 2, the claim rejection of claim 1 is representative of claim 2. See **Pepin et al.** teachings of an apparatus according to claim 1, wherein the print job input from the image processing apparatus includes a user ID used in specifying the information processing apparatus, and the job management information includes a user ID corresponding to the print job *(fig 6, job scorecard 152 includes job identification.*

Regarding claim 3, **Pepin et al.** teach a server apparatus *(figure 2, controller 7 coupled with image input 4 without scanner 6)* which inputs a print job including an insert mark set in an information processing apparatus *(column 8:lines25-32, print job maybe derived from multiple sources using, column 9:lines 64-67, place holders, i.e. insert marks)* and PDL data of documents of which a specified page is previously marked by the insert mark from at least one or more information processing apparatuses connected on a network *(column 8:lines 33-34, server portion 7 is connected via network to, column 8:lines 43-47, apparatuses 176 in order to, column 8:lines 61-64, process jobs written in a PDL from apparatuses 176)* and transfers print image data

to an image processing apparatus *(fig 1, printer system 2)* for executing predetermined image processing according to a communication performed between a scanner unit and a printer unit *(column 5:lines 44-53, printing system 2 provides image processing for scan a print services wherein scanning and printer communication is performed on-site. In addition, column 8:lines25-32, print job maybe derived from multiple sources including scanner6, which inherently requires communication between scanner 6 and printer8)*, comprising:

development means for sequentially developing the PDL data of each page included in the print job to be input into the print image data *(column 6:lines 1-5, PDL from all sources is developed by conversion, i.e. development, means in server portion 4)*;

storage means *(fig 2, main memory 56)* for storing each of the print image data developed by said development means *(column 6:lines 18-29, server portion 4 with development means enables server portion 7 to store the print data in, column 7:lines 33-37, main memory 56)*;

judgment means for judging whether or not each page of the print job is an insert page to which image data externally input is inserted, by comparing the insert mark set in the print job with the PDL data of each page in the print job *(column 9:lines 36-40 & 64-67, place holders, i.e. insert pages, are created to add external pages to a document by placing a tag ,i.e. insert page indications. Placeholders are judged inherently during the process illustrated in column 9:lines 45-54)*;

creation means *(column 8:lines 10-11,& fig 6, job program mode using UI 52 via display 62)* for creating job management information, which includes page management information including information of linking the each page of the print job with each of the print image data stored in said storage means *(column 10:lines 9-17 & 55-65, document is processed on a segment-by-segment basis which inherently includes linking information, via placeholders, that link all segments of the job to print data documents in the storage means 56)* and information of indicating whether or not the each page of the print job is the insert page *(fig 9, step 226, place holder, i.e. insert page, state is checked for each segment of the print job)*, and a job ID of specifying the print job *(fig 6, when jobs are programmed, a job scorecard 152 provides a job ID)*, for each job to be input;

hold means *(fig 2, main memory 56)* for holding the job management information for each of the jobs *(column 11:lines 3-4, each job can be stored for future use in the printing system 2. Fig 6, job management info is provided to memory via screen 62. Column 7:lines 44-48, following processing, print jobs are stored in main memory 56)*;

page judgment result transfer means for transferring a result indicating whether or not a designated page of a designated print job is the insert page to the image processing apparatus with reference to the job management table in accordance with inquires from the image processing apparatus *(column 8:lines 14-16, job scorecard 152 indicates instructions to the system for printing the job, which includes place holder information for segment-by-segment processing in column 10:lines 9-17 & 55-65. Because the server is embodied in the image processing system 2, the page judgment result transfer means inherently exists for inquiries in order to transfer placeholder indication of each print job stored in the main memory 56)*;

and image link means for storing the image data transferred from the image processing apparatus into said storage means *(column 6:lines 18-29, server portion 4 with development means enables server portion 7 to store the print data in, column 7:lines 33-37, main memory 56 that has been transferred from on-site and remote image processing apparatuses)* and updating the page management information of the corresponded page so as to link the stored image data with the designated page of the designated print job *(column 10:lines 9-17 & 55-65, document is processed on a segment-by-segment basis which inherently includes linking information, via placeholders, that link all segments of the job to print data documents in the storage means 56)*.

Although **Pepin et al.** teach a main memory 56 to store print jobs, they do not teach a job management table that is used to create a job selection list for selection of a specific job via the UI 52 with display 62.

However, **Kageyama et al.** *(fig 13)* teaches a print job selection list for displaying print jobs from archive/suspended state (i.e. from a print job table).

Accordingly, it would have been obvious to one skilled in the art at the time of the

invention to have combined the print job display list taught by **Kageyama et al.** in the printing

system of **Pepin et al.** The display 62 of the UI 52 as taught by **Pepin et al.** can be used to

display the print job list taught by **Kageyama et al.** The combination would allow a specific job to

be located in **Pepin et al.**, and processed for printing. With the combination, because the server

is embodied in the information processing apparatus 2 as taught by **Pepin et al.**, the list transfer

means is inherently exists in order to display the list and enable the list selection taught by

Kageyama et al. on the display 65 taught by **Pepin et al.**

Regarding claim 4, the claim rejection of claim 3 is representative of claim 4. See **Pepin et al.**

teachings of an apparatus according to claim 1, wherein the print job input from the image

processing apparatus includes a user ID used in specifying the information processing apparatus,

and the job management information includes a user ID corresponding to the print job *(fig 6, job*

scorecard 152 includes job identification.

Regarding claim 5, **Pepin et al.** teach an image processing apparatus *(fig 1, printing system 2)*,

which executes predetermined image processing according to a communication performed

between a scanner unit and a printer unit *(column 5:lines 44-53, printing system 2 provides image*

processing for scan a print services wherein scanning and printer communication is performed

on-site. In addition, column 8:lines25-32, print job maybe derived from multiple sources including

scanner6, which inherently requires communication between scanner 6 and printer8), capable of

communicating with a server apparatus *(figure 2, controller 7 coupled with image input 4 without*

scanner 6 which communicates internally to the printing system 2) which generates image data

by obtaining a print job communicating with at least one or more information processing

apparatuses connected on a network *(column 8:lines 33-34, server portion 7 is coupled to*

network arrangement 170 in order to, column 8:lines 43-47, connect with apparatuses 176. In

one embodiment, the apparatuses 176 transmit print jobs to the server portions 4 & 7), and

analyzing the obtained print job *(column 8:lines 25-32 printing system 2 develops, i.e. analyzes, print jobs that are derived from multiple sources)*, comprising:

control means *(controller 7 coupled to image input 4 without scanner 6)* for switching and controlling a print process in which, for each of pages of the selected print job, it is sequentially inquired whether or not the pages are insert pages for the server apparatus *(fig 9, step 226, place holder, i.e. insert page, state is checked for each segment of the print job)* and an image data obtaining request is issued for the server apparatus in accordance with the inquired result I*(fig 9, step 228, placeholder instruction is resolved, i.e. obtaining request sent)*, then print image data transferred from the server apparatus is output using the printer unit and a copying process in which an image input of insert originals is performed in real time by the scanner unit, then image data is output using the printer unit *(column 8:lines 25-32, print jobs may be derived from multiple sources including scanner 6 and are then submitted for printing. If, column 9:lines 64-67, a placeholder indicates a scanning page to be implemented later, then input from scanner 6, according to column 13:lines 49-52, can be realized in real time to insert the input at printing)*.

Pepin et al. do not teach an issuance means for issuing a job selection list obtaining request used in selecting print jobs being managed for the server apparatus, not do they teach the selection means for selecting any of the print jobs by displaying a job selection list transferred from the server apparatus in response to the job selection list obtaining request issued by said issuance means.

However, **Kageyama et al.** *(fig 13)* teaches a print job selection list for displaying print jobs in suspended state and the ability to, *(column 13:lines 29-37)*, (1) display the print jobs in a list and (4) release a print job for printing.

Accordingly, it would have been obvious to one skilled in the art at the time of the invention to have combined the print job display list taught by **Kageyama et al.** in the printing system of **Pepin et al.** The display 62 of the UI 52 as taught by **Pepin et al.** can be used to display the print job list taught by **Kageyama et al.** The combination would allow a specific job to be located in **Pepin et al.**, and processed for printing. With the combination, because the server

is embodied in the information processing apparatus 2 as taught by **Pepin et al.**, the list transfer

means is inherently exists in order to display the list and enable the list selection taught by

Kageyama et al. on the display 65 taught by **Pepin et al.**

Regarding claim 6, the claim rejection of claim 5 is representative of claim 6. See **Pepin et al.**

teachings of an apparatus according to claim 5, wherein an original feed device for feeding plural

insert originals in the order of those originals to the scanner unit is provided *(column 6:lines 6-9,*

UDH 35 feeds originals for scanning), wherein said control means causes the original feed device

to feed the insert originals and performs the image input of the insert originals by the scanner unit

(fig 2, scanner system control 25a controls UDH 35).

Regarding claim 7, the claim rejection of claim 5 is representative of claim 7. See **Kageyama et**

al. teachings of an apparatus according to claim 5, wherein the job selection list is displayed

including a job ID corresponding to each of the print jobs *(fig 13 under 'NAME')*. Also, see **Pepin**

et al. wherein a job identification exists in job scorecard 152).

Regarding claim 8, the claim rejection of claim 5 is representative of claim 8. See **Kageyama et**

al. teachings of an apparatus according to claim 5, wherein the job selection list is displayed

including a job ID corresponding to each of the print jobs *(fig 13 under 'NAME')*. Also, see **Pepin**

et al. wherein a job identification exists in job scorecard 152).

Regarding claim 5, **Pepin et al.** teach an image processing apparatus *(fig 1, printing system 2)*,

which executes predetermined image processing according to a communication performed

between a scanner unit and a printer unit *(column 5:lines 44-53, printing system 2 provides image*

processing for scan a print services wherein scanning and printer communication is performed

on-site. In addition, column 8:lines25-32, print job maybe derived from multiple sources including

scanner6, which inherently requires communication between scanner 6 and printer8), capable of

communicating with a server apparatus *(figure 2, controller 7 coupled with image input 4 without scanner 6 which communicates internally to the printing system 2)* which generates image data by obtaining a print job communicating with at least one or more information processing apparatuses connected on a network *(column 8:lines 33-34, server portion 7 is coupled to network arrangement 170 in order to, column 8:lines 43-47, connect with apparatuses 176. In one embodiment, the apparatuses 176 transmit print jobs to the server portions 4 & 7)*, and analyzing the obtained print job *(column 8:lines 25-32 printing system 2 develops, i.e. analyzes, print jobs that are derived from multiple sources)*, comprising:

> and control means *(controller 7 coupled to image input 4 without scanner 6)* for transferring input image data to the server apparatus by executing processing in which, for each of pages of the selected print job, it is sequentially inquired whether or not the pages are insert pages for the server apparatus *(fig 9, step 226, place holder, i.e. insert page, state is checked for each segment of the print job)*, and an image input of insert originals is performed by the scanner unit in accordance with the inquired result *(column 9:lines 64-67, placeholder indicates a page to be added , and when, column 8:lines 25-32, the page to be added is from scanner 6, the, column 6:lines 18-26, controller 7 receives the insert for storage processing)*.

Pepin et al. do not teach an issuance means for issuing a job selection list obtaining request used in selecting print jobs being managed for the server apparatus, not do they teach the selection means for selecting any of the print jobs by displaying a job selection list transferred from the server apparatus in response to the job selection list obtaining request issued by said issuance means.

However, **Kageyama et al.** *(fig 13)* teaches a print job selection list for displaying print jobs in suspended state and the ability to, *(column 13:lines 29-37)*, (1) display the print jobs in a list and (4) release a print job for printing.

Accordingly, it would have been obvious to one skilled in the art at the time of the invention to have combined the print job display list taught by **Kageyama et al.** in the printing system of **Pepin et al.** The display 62 of the UI 52 as taught by **Pepin et al.** can be used to display the print job list taught by **Kageyama et al.** The combination would allow a specific job to

be located in **Pepin et al.**, and processed for printing. With the combination, because the server

is embodied in the information processing apparatus 2 as taught by **Pepin et al.**, the list transfer

means is inherently exists in order to display the list and enable the list selection taught by

Kageyama et al. on the display 65 taught by **Pepin et al.**

Regarding claim 10, the claim rejection of claim 9 is representative of claim 10. See **Pepin et al.**

teachings of an apparatus according to claim 9, wherein an original feed device for feeding plural

insert originals in the order of those originals to the scanner unit is provided *(column 6:lines 6-9,*

UDH 35 feeds originals for scanning), wherein said control means causes the original feed device

to feed the insert originals and performs the image input of the insert originals by the scanner unit

(fig 2, scanner system control 25a controls UDH 35).

Regarding claim 11, the claim rejection of claim 9 is representative of claim 11. See **Kageyama**

et al. teachings of an apparatus according to claim 9, wherein the job selection list is displayed

including a job ID corresponding to each of the print jobs *(fig 13 under 'NAME')*. Also, see **Pepin**

et al. wherein a job identification exists in job scorecard 152).

Regarding claim 12, the claim rejection of claim 9 is representative of claim 12. See **Kageyama**

et al. teachings of an apparatus according to claim 9, wherein the job selection list is displayed

including a job ID corresponding to each of the print jobs *(fig 13 under 'NAME')*. Also, see **Pepin**

et al. wherein a job identification exists in job scorecard 152).

Claims 13-16 recite identical features as claims 1, 3, 5, & 9, respectively, except claims 13-16 are

method claims. Thus, arguments similar to that presented above for claims 1, 3, 5, & 9 are

equally applicable to claims 13-16.

Regarding claims 17-20, **Pepin et al. & Kageyama et al**. teach the computer-readable storage

medium which stores programs used for executing the method steps of claims 13-16, respectively

(column 7:lines 34-36, main memory 56 stores machine Operating System software).

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Kyle Pendergrass whose telephone number is **(571) 272-7438**. The

examiner can normally be reached on Monday-Friday 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, King Poon can be reached on **(571) 272-7440**.

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